

Title (en)
Optical measuring apparatuses

Title (de)
Optische Messvorrichtungen

Title (fr)
Appareils de mesure optique

Publication
EP 2447754 A1 20120502 (EN)

Application
EP 11186642 A 20111026

Priority
KR 20100105450 A 20101027

Abstract (en)

An optical measuring apparatus may include a light source, linear polarizer, polarized beam splitter, quarter wave plate, objective lens, and/or light receiver. The polarized beam splitter may be configured to transmit linearly polarized light from the linear polarizer to any one of a first and second optical path. The quarter wave plate may be configured to circularly polarize light transmitted through the first optical path from the polarized beam splitter and transmit the circularly polarized light to an object to be measured, and the quarter wave plate may be configured to linearly polarize the circularly polarized light reflected from the object to be measured and transmit the linearly polarized reflected light to the second optical path of the polarized beam splitter. The objective lens may be configured to generate light having different wavelengths by generating chromatic aberration in the circularly polarized light from the quarter wave plate.

IPC 8 full level
G02B 21/00 (2006.01); **G01B 11/02** (2006.01)

CPC (source: EP KR US)
G01B 11/026 (2013.01 - EP KR US); **G01B 11/06** (2013.01 - EP KR US); **G01B 11/24** (2013.01 - EP KR US);
G02B 21/0064 (2013.01 - EP KR US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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